INDEX TO SCIENTIFIC NAMES—HERPETOLOGICA

Vol. 32 (1976)

abacura, Farancia, 215, 379, 387
Acanthodactylus, 335
  pardalis, 335
Acanthophis antarcticus, 332
Achalinus spinalis, 400
Acris crepitans, 264–266
  gryllus, 122
Acrochordus, 381
  granulatus, 380, 387
  javanicus, 387
acutum, Kinosternon, 258–261
acutus, Anolis, 255
adinognathus, Phrynosoma, 64–66
aeneus, Aneides, 160
  Anolis, 186
  Desmognathus, 28
  Oxybelis, 304, 309, 383, 387
aequatoriale, Glossostoma, 200–206
aestivus, Opheodrys, 387
Agalychnis, 403
  callidryas, 85, 403
agassizi, Gopherus, 139–144, 247–251, 298–303
Agkistrodon bilineatus, 333
  contortrix, 65, 309, 333, 383, 387
  hypnale, 333
  piscivorus, 72, 215, 333, 387
albemarlensis, Tropidurus, 318–319, 321–322
albilabris, Leptodactylus, 82
albogularis, Gonatodes, 101
alexanderi, Scaphiopus, 263
alleganiensis, Cryptobranchus, 327–330
Alsophis, 197, 423
  portoricensis, 84
Alytes, 85
amax, Carlia, 374–375
Ambystoma, 218–220, 270
  cingulatum, 214–220
  dumerilii, 429–437
  gracile, 269
  jeffersonianum, 431
  mabeei, 215, 217
  macrodactylum, 161, 218
    croceum, 218
    sigillatum, 218
  maculatum, 161, 217
  mexicanum, 431–437
  minshalli, 264, 266
  opacum, 215, 217–220
  ordinarium, 437
  rosaceum, 437
  talpoideum, 215, 217, 431, 436
  tigrinum, 64–65, 161, 431–434, 436–437
  tigrinum × mexicanum, 436
Ameiseophis robinsoni, 419–422, 424–425
Ameiva bifrontata, 318, 321
  exsul, 83
  polops, 83
  sp., 82
amoenus, Carphophis, 293–294, 387
Amphiuma means, 122, 215
andersonii, Hyla, 117–129
Andrias, 267–268
  matthewi, 264–265
Aneides aeneus, 160
angulatus, Calamagras, 89–90, 94
  Helicops, 304–309
angulifer, Chondrodactylus, 344
Anilioides, 88, 91–92, 94
Anilius, 91, 93, 381
  scytale, 387
annulata, Leptodeira, 44
Anolis, 101, 184–185, 344
  acutus, 255
  aeneus, 186
  carolinensis, 18–23, 255, 270, 348–350
  cristatellus, 83
  extremus, 184–188
  luciae, 184–187
  oculatus, 344
  stratulus, 81, 83
  trinitatis, 186
  wattsi, 185
anoscopus, Natrix, 256–257
antarcticus, Acanthophis, 332
antenori, Syncope, 208
antiqua, Pseudocemophora, 420, 423–425
aporostequs, Eleutherodactylus r., 163, 170
Aprasia parapulchella, 296–297
aquatica, Eurycea, 28
Arcovomer, 199, 204–205
  passarelli, 200–203, 205–206
arietans, Bitis, 72–73, 245–246, 383, 387
Arizona, 382
  elegans, 387
arnyi, Diadophis punctatus, 18
arvalis, Rana, 206
asper, Bothrops, 308–309
asperus, Trionyx s., 151
Aspidelaps scutatus, 72
Asterophrys sp., 201
Atelopus oxyrhynchus, 80
Atractaspis bibronii, 72, 383, 387
  corpulenta, 334
Atractus elaps, 221–226
  e. tetrazonus, 223
atropos, Bitis, 72
atrox, Bothrops, 304–305, 307–309, 333–334
  Crotalus, 387
augusti, Hylactophryne, 346–347
auratus, Dendrobates, 85, 339

aureus, Plectrurus, 380, 387
auriculatus, Desmognathus, 215
avivoca, Hyla, 125
Azemiops, 385
bairdi, Elaphe o., 389–394
barberi, Hypopachus, 200–206
barbouri, Graptemys, 151
belliana, Liolepis, 295
berlandieri, Gopherus, 300
berus, Vipera, 387
bibronii, Atractaspis, 72, 383, 387
bicarinata, Carlia, 372
bicegoi, Chiasmocleis, 200–206, 210
bicolor, Loxocemus, 380, 387
bifasciatus, Phrynomerus, 200–204, 206
bifrontata, Ameiva, 318, 321
bilineatus, Agkistrodon, 333
Bothrops, 332–333, 336
bishopi, Cryptobranchus a., 328–330
bislineata, Eurycea, 26–29, 123, 352
Eurycea b., 29
Bitis, 383, 385
arietans, 72–73, 245–246, 383, 387
atropos, 72
caudalis, 72, 334
gabonica, 72
nasicornis, 72
peringueyi, 334
blandingii, Emydoidea, 291, 293
Boa, 381
constrictor, 304, 379, 387, 400, 427
Bolitoglossa, 269, 285–286
englehardti, 271, 275–276, 278–281
flavimembris, 271, 274, 276, 278–281, 286–287
franklini, 271, 274, 276, 278–281, 286
morio, 271, 276, 278–281
occidentalis, 271, 275–276, 278–281, 288
resplendens, 271, 275–276, 278–281, 285–287
rostrata, 271. 276, 278–281
subpalmata, 269, 271–273, 276, 279–288
boliviana, Hamptophryne, 200–203, 205–206
bolivianus, Leptodactylus, 228, 231, 403
Bolyeria multicarinata, 400
bombifrons, Scaphiopus, 7, 11–17, 263–264, 266
Bombina, 85
Borborocoetes mexicanus, 346
borealis, Kaloula, 201
bothroboans, Eleutherodactylus r., 169–170
Bothrops, 336
asper, 308–309
atrox, 304–305, 307–309, 333–334
bilineatus, 332–333, 336
venezuelae, 308
bottae, Charina, 43, 47, 380, 387, 421
brachiops, Pleurodema, 339–341
brachycercum, Phrynosoma d., 66
branchyops, Pleurodema, 228
brasiliensis, Euparkerella, 48–52
Breviceps, 205–206
gibbosus, 201
brevifrenum, Rhabdosoma, 223
brevirachis, Tregophis, 44
brevirostre, Phrynosoma d., 66
brimleyi, Pseudacris, 215
bromeliacia, Chiropterotriton, 271, 274, 276–277, 279–281, 285
brookii, Hemidactylus, 83
brunnata, Pseudoeurycea, 271, 276–277, 279–281
Bufo cognatus, 7, 11–15, 17, 23–25
debilis, 7, 11–15, 17, 23–25
granulosus, 228
hibbardi, 264–265
kuhrei, 264–265
marinus, 58–59, 82, 228
punctatus, 15–17
sp., 7
terrestris, 58, 215, 291–293
valentinensis, 264–265
valliceps, 85
woodhousei, 58, 85
fowleri, 293–294
Bungarus, 44, 384
candidus, 387
burnetti, Carlia, 374
burtonis, Lialis, 296–297
Cacopoides tornieri, 201
Cacopus systoma, 201
Caiman crocodilus, 227
Calamagras, 41–42. 88–89, 93
angulatus, 89–90, 94
floridanus, 89–90
murivorus, 89–90
platyspondyla, 89–90, 93–94
primus, 89
talpivorus, 89–90
weigeli, 41–43, 47, 89, 420, 425
Calamaria, 381, 385
gervaisii, 382, 387
calcarata, Ceratophrys, 339–341
callidryas, Agalychnis, 85, 403
calligaster, Calliophis, 384, 387
Lampropeltis, 387
Calliophis, 384
calligaster, 384, 387
Callisaurus, 344
draconoides, 97–98, 105, 108–109
candidus, Bungarus, 387
canus, Tropidophis c., 400
carbonaria, Geochelone, 82
Caretta, 353
Carlia, 371–372, 374
amax, 374–375
bicarinata, 372
burnetti, 374
fusca, 371–372, 376
gracilis, 375
johnstonei, 374–375
melanopogon, 375
peroni, 371–377
rufilata, 374–375
schlegeli, 371, 376

spinauris, 371–374, 376
triacantha, 375
vivax, 375
carinatus, Chironius, 304–305, 308
Pareas, 387
carolina, Terrapene, 298
carolinensis, Anolis, 18–23, 25, 270, 348–350
Gastrophryne, 204–205
Carphophis, 293–294
amoenus, 293–294, 387
vermis, 103
Casaria dussumieri, 400
catenatus, Sistrurus, 65
catenifer, Pituophis, 65
cates, Dipsas, 382, 387
catesbeiana, Rana, 87, 215, 239–244, 370–371
caudalis, Bitis, 72, 334
Causus defilipii, 72
rhombeatus, 72
Cemophora, 381–382
coccinea, 387, 425
Centrolenella, 401, 403
fleischmanni, 402
griffithsi, 401
valerioi, 402
viridissima, 402
Cerastes vipera, 332–336
Ceratophrys, 339
calcarata, 339–341
chaquensis, Leptodactylus, 228
Charina, 41–42, 44, 88, 381
bottae, 43, 47, 380, 387, 421
prebottae, 41, 43, 47, 265–266, 420, 425
Cheilophis, 93
Chelonia, 358
mydas, 417–418
Chelydra, 152–155
serpentina, 150–151, 417
Chiasmocleis, 199, 204–205
bicegoi, 200–206, 210
Chironius carinatus, 304–305, 308
Chiropterotriton, 269, 277, 287–288
bromeliacia, 271, 274, 276–277, 279–281, 285
dimidiatus, 269, 271–272, 276–277, 279–282, 285–286, 288
multidentatus, 269, 271–273, 276, 279–286, 288
picadoi, 271, 275–277, 279–281, 285
chlorophenax, Eleutherodactylus, 163, 168–170
Chondrodactylus angulifer, 344
Chrysemys, 441–442
c. suwanniensis, 144
picta, 154, 264, 266, 441–442
scripta, 417, 442
cinerea, Hyla, 118, 122–123, 125–126, 264–266
cinereus, Plethodon, 161, 235, 329
cingulatum, Ambystoma, 214–220
cirrigera, Eurycea × b. bislineata, 29
clamitans, Rana, 85–87, 122
clarki, Natrix, 387
Pseudacris, 264–266
Sceloporus, 5
Clemmys guttata, 60–64
insculpta, 291–293
Cnemidophorus, 344, 395
gularis, 395–399
hyperythrus, 409
laredoensis, 395–399
lemniscatus, 318, 321
septemvittatus, 395
sexlineatus, 64–65, 101, 395–399, 409
sp., 264, 266
tigris, 1, 98, 105, 108–109, 409
coccinea, Cemophora, 387, 425
cochranae, Eleutherodactylus, 82
coeruleus, Gerrhonotus, 104
cognatus, Bufo, 7, 11–15, 17, 23–25
Coleonyx, 255
variegatus, 344
collaris, Crotaphytus, 1, 4, 101, 110–111
Colostethus nubicola, 77–80
Coluber, 33, 383, 394, 422–423
constrictor, 65, 101, 387, 425
colubrina, Laticauda, 384, 387
colubrinus, Xenodon, 382, 387
compactus, Ogmophis, 42, 47, 420
concinnus, Thamnophis s., 325
Coniophis, 93
Constrictor constrictor, 18
constrictor, Boa, 304, 379, 387, 400, 427
Coluber, 65, 101, 387, 425
Constrictor, 18
contortrix, Agkistrodon, 65, 309, 333, 383, 387
Cophixalus cryptotympanum, 201
riparius, 201, 203
coqui, Eleutherodactylus, 82
corais, Drymarchon, 387
cornutum, Phrynosoma, 66, 303
corpulenta, Atractaspis, 334
couchi, Scaphiopus, 7, 10–14, 16–17
couperi, Drymarchon corais, 18
crepitans, Acris, 264–266
Hyla, 228
cristatellus, Anolis, 83
croceum, Ambystoma m., 218
crocodilus, Caiman, 227
Crotalus, 337, 383
atrox, 387
horridus, 72, 309, 383, 387
lepidus, 333
ruber, 72
scutulatus, 387
sp., 65
viridis, 65, 72, 425
lutosis, 53
Crotaphopeltis hotamboiea, 72
Crotaphytus, 95, 255
collaris, 1, 4, 101, 110–111
insularis, 110
reticulatus, 110–111

silus, 110–111
wislizeni, 1, 95–111
crucifer, Hyla, 215, 264–266
Psammophis, 72
cruentatum, Kinosternon, 258
Cryptobranchus alleganiensis, 327–330
a. bishopi, 328–330
cryptotympanum, Cophixalus, 201
cultripes, Pelobates, 130–137
cyanocinctus, Hydrophis, 387
cyanogenys, Sceloporus, 348–351
cyclopion, Natrix, 387
Cylindrophis, 91, 381
rufus, 380, 387
Dakotaophis, 45
greeni, 41, 45–47, 420, 422, 425
Dasypeltis, 382
scaber, 382, 387
debilis, Bufo, 7, 11–15, 17, 23–25
defilipi, Causus, 72
Deirochelys reticularia, 215
dekayi, Storeria, 387
Delma inornatus, 296–297
Dendraspis hanna, 72, 75
Dendroaspis jamesoni, 72
polylepis, 72
Dendrobates auratus, 85, 339
granuliferus, 85
Denisonia, 384
pallidiceps, 387
denticulata, Geochelone, 82
depressirostris, Leptophis, 197
depressus, Geringophis, 90, 94
Dermatonotus, 204, 208, 210
mulleri, 201, 205
deserticola, Hypsiglena t., 53
Pituophis melanoleucus, 53
Desmognathus, 156, 274, 281–283, 432
aeneus, 28
auriculatus, 215
fuscus, 123
monticola, 28, 273
ochrophaeus, 28, 273
Diadophis, 382
punctatus, 22, 382, 387
p. arnyi, 18
dimidiatus, Chiropterotriton, 269, 271–272, 276–277, 279–282, 285–286, 288
diplozeugus, Geophis, 223
Dipsas, 382
cates, 382, 387
Dipsosaurus, 255
dorsalis, 348–350, 405–411
Discoglossus pictus, 85
sardus, 85
Dispholidus typus, 72, 197
doliata, Lampropeltis, 65
dorsalis, Dipsosaurus, 348–350, 405–411
Rhinophrynus, 199–206
douglassi, Phrynosoma, 64–66, 109
draconoides, Callisaurus, 97–98, 105, 108–109
Dryinoides oxyrachis, 46
Drymarchon, 383
corais, 387
couperi, 18
Dryophis nasutus, 72
prasinus, 387
dulcis, Leptotyphlops, 387
dumerili, Ambystoma, 429–437
Dunnophis, 93
dussumieri, Casaria, 400
Elachistocleis, 199, 204–205
ovalis, 200–206, 228
Elaphe, 382, 392, 394
nebraskensis, 265–266, 425
obsoleta, 65, 387, 394, 400
bairdi, 389–394
obsoleta, 359–361, 392–393
quadrivittata, 392
spiloides, 359–361
sp., 65
v. vulpina, 392, 394
Elaps lacteus, 72
elaps, Atractus, 221–226
elegans, Arizona, 387
Naultinus, 296
Thamnophis, 425
Eleutherodactylus, 164, 310, 317
chlorophenax, 163, 168–170
cochranae, 82
coqui, 82
gladiator, 310–314, 316–317
hypostenor, 163, 166–168, 170
inoptatus, 163–164, 166–168, 170
lentus, 82
leoni, 310–317
martinicensis, 85
mexicanus, 346–347
nortoni, 163, 165–168, 170
occidentalis, 346
portoricensis, 82
pygmaeus, 346
pyrrhomerus, 310–314, 316–317
rhodopis, 346
ruthae, 163, 166–170
aporostequs, 163, 170
bothroboans, 169–170
unistrigatus, 310
elongata, Neonatrix, 41, 44–46, 265–266, 424–425
Emydoidea blandingii, 291, 293
Emys orbicularis, 153
englehardti, Bolitoglossa, 271, 275–276, 278–281
Enhydris, 382
plumbea, 382, 387
Ensatina eschscholtzi, 160, 287
Eremias olivieri, 335
erythrocheilus, Sceloporus u., 409–410
erythrogaster, Natrix, 387
Eryx, 381
johnii, 332, 380, 387
sp., 387
eschscholtzi, Ensatina, 160, 287

Eublepharis macularius, 296–297
Eumeces, 264
sp., 264, 266
Euparkerella, 48–49
brasiliensis, 48–52
lochites, 48–52
myrmecoides, 48–52
Eurycea, 233
aquatica, 28
bislineata, 26–29, 123, 352
bislineata, 29
bislineata × cirrigera, 29
wilderae, 29
junaluska, 26–29, 352
longicauda, 27–28, 234
lucifuga, 28
multiplicata, 237
griseogaster, 233–238
quadridigitata, 28, 215
Exiliboa placata, 400
expansa, Podocnemis, 154
exsul, Ameiva, 83
extremus, Anolis, 184–188
faber, Hyla, 403
Farancia, 382
abacura, 215, 379, 387
fasciata, Natrix, 215
femoralis, Hyla, 121–122
ferox, Trionyx, 355
fimbriatus, Uroplatus, 296
firestone, Natrix, 256–257
flagellum, Masticophis, 30, 383, 387
flagellus, Masticophis, 16
flavimembris, Bolitoglossa, 271, 274, 276, 278–281, 286–287
flavomarginatus, Gopherus, 300
fleischmanni, Centrolenella, 402
floridanus, Calamagras, 89–90
Paraoxybelis, 46
fowleri, Bufo w., 293–294
franklini, Bolitoglossa, 271, 274, 276, 278–281, 286
frenatus, Hemidactylus, 252–255, 341–345
fulvius, Micrurus, 384, 387
fusca, Carlia, 371–372, 376
fuscum, Leiolopisma, 373
fuscus, Desmognathus, 123
Leptodactylus, 228
Pelobates, 136
gabonica, Bitis, 72
Gastrophryne, 199, 204–206
carolinensis, 204–205
olivacea, 200–206
gecko, Gekko, 101
Gehyra variegata, 101, 344
Gekko gecko, 101
Geochelone, 65, 67, 290–293
carbonaria, 82
crassiscutata, 291–293
denticulata, 82
incisa, 292–293
nordensis, 264, 266
orthopygia, 264, 266
Geophis diplozeugus, 223
Geringophis, 88, 90, 94
depressus, 90, 94
Gerrhonotus, 255, 265
coeruleus, 104
mungerorum, 264, 266
gervaisii, Calamaria, 382, 387
getulus, Lampropeltis, 65, 383, 387, 400
gibbosus, Breviceps, 201
gilleni, Varanus, 35–40
gladiator, Eleutherodactylus, 310–314, 316–317
Glossostoma, 199, 204, 209–210
aequatoriale, 200–206
glutinosus, Plethodon, 156–161
goebeli, Pseudoeurycea, 271, 276, 278–281, 286
Goinophis, 88, 92–94
minusculus, 92, 94
Gonatodes albogularis, 101
Gopherus, 151, 299
agassizi, 139–144, 247–251, 298–303
berlandieri, 300
flavomarginatus, 300
polyphemus, 300
gracile, Ambystoma, 269
gracilis, Carlia, 375
Pletholax, 296
graciosus, Sceloporus, 6, 55, 107
Sceloporus g., 18, 22
grahami, Regina, 382, 387
grahamiae, Salvadora, 45, 47
granulatus, Acrochordus, 380, 387
granuliferus, Dendrobates, 85
granulosus, Bufo, 228
Graptemys, 155, 441–442
barbouri, 151
p. ouachitensis, 439–442
p. sabinensis, 154, 439
gratiosa, Hyla, 125–126, 264–266
greeni, Dakotaophis, 41, 45–47, 420, 422, 425
griffithsi, Centrolenella, 401
griseogaster, Eurycea m., 233–238
grylio, Rana, 87
gryllus, Acris, 122
guichenoti, Leiolopisma, 101
gularis, Cnemidophorus, 395–399
Trachyboa, 400
guttata, Clemmys, 60–64
haemachatus, Hemachatus, 72, 75
haja, Naja, 72, 75
hammondi, Scaphiopus, 7, 11–17, 23–25
Hamptophryne, 199, 204–205
boliviana, 200–203, 205–206
hanna, Dendraspis, 72, 75
hardwickii, Uromastix, 295
hasselquistii, Ptyodactylus, 101
heckscheri, Rana, 87
Helagras, 93
Helicops angulatus, 304–309
polylepis, 306

Hemachatus haemachatus, 72, 75
Hemidactylium scutatum, 275
Hemidactylus brookii, 83
frenatus, 252–255, 341–345
mabouia, 83–84, 101
sp., 83
Hemisus, 206
marmoratus, 206
Heterodon, 89, 94
nasicus, 16, 65
platyrhinos, 387
Heteropus peroni, 372
schlegeli, 375–376
hibbardi, Bufo, 264–265
hispidus, Sauromalus, 255
Tropidurus, 318–322
holbrooki, Scaphiopus, 215, 263
Holbrookia, 344
homalocephalum, Ptychozoon, 362
Hoplodactylus pacificus, 296
horridus, Crotalus, 72, 309, 383, 387
hotamboiea, Crotaphopeltis, 72
hubrichti, Plethodon n., 284
Hydrophis, 384
cyanocinctus, 387
Hyla andersonii, 117–129
andersonii × cinerea, 117, 125
avivoca, 125
cinerea, 118, 122–123, 125–126, 264–266
crepitans, 228
crucifer, 215, 264–266
faber, 403
femoralis, 121–122
gratiosa, 125–126, 264–266
meridionalis, 131
rhodopepla, 85
rubra, 228
sp., 264
squirella, 122, 264–266
versicolor, 125, 264–266, 370
Hylactophryne, 346, 444
augusti, 346–347
mexicanus, 346–347
tarahumaraensis, 346–347
hyperythrus, Cnemidophorus, 409
hypnale, Agkistrodon, 333
Hypopachus, 199, 204–205
barberi, 200–206
variolosus, 201, 205
hypostenor, Eleutherodactylus, 163, 166–168, 170
Hypsiglena t. deserticola, 53
Iguana iguana, 83, 101
incisa, Geochelone, 292–293
incrassatus, Stereocyclops, 201–203, 205–206
infernalis, Thamnophis s., 323–324
inoptatus, Eleutherodactylus, 163–164, 166–168, 170
inornatus, Delma, 296–297
insculpta, Clemmys, 291–293
insularis, Crotaphytus, 110
insularum, Leptodactylus, 403
intermedia, Ptychozoon, 362
Siren, 215
intestinalis, Maticora, 384, 387
Ischnocnema, 52
jamaicensis, Typhlops, 378
jamesoni, Dendroaspis, 72
jarrovi, Sceloporus, 6, 182, 189, 194–195, 410
Sceloporus j., 189–196
javanicus, Acrochordus, 387
Xenodermus, 382, 387
jeffersonianum, Ambystoma, 431
johnii, Eryx, 332, 380, 387
johnstone, Carlia, 374–375
jordani, Plethodon, 157, 160–161, 287
junaluska, Eurycea, 26–29, 352
Kaloula borealis, 201
pulchra, 199, 201–204, 206
Kinosternon acutum, 258–261
cruentatum, 258
leucostomum, 258–261, 444
mopanum, 258–261
scorpioides, 258–261
subrubrum, 215
kirtlandi, Thelotornis, 72, 197
Thelotornis k., 148–150
kuhrei, Bufo, 264–265
kuhli, Ptychozoon, 362, 365
labialis, Leptodactylus, 228
Lacerta muralis, 182
ocellata, 296
lacertina, Siren, 215
Lachesis lanceolata, 333
lacteus, Elaps, 72
laevis, Xenopus, 370
Lampropeltis, 382
calligaster, 387
doliata, 65
getulus, 65, 383, 387, 400
similis, 265–266, 425
t. sinaloae, 394
z. parvirubra, 145–147
lanceolata, Lachesis, 333
lankgensis, Typhlops, 387
laredoensis, Cnemidophorus, 395–399
Laticauda, 384
colubrina, 384, 387
lebetina, Vipera, 72
lecontei, Rhinocheilus, 65, 387
Leimadophis zweifeli, 304
Leiolopisma fuscum, 373
guichenoti, 101
spinauris, 372
Leiuperus mexicanus, 346
lemniscatus, Cnemidophorus, 318, 321
lentus, Eleutherodactylus, 82
leoni, Eleutherodactylus, 310–317
lepidopodus, Pygopus, 296–297
lepidus, Crotalus, 333
Leptodactylus, 138, 205
albilabris, 82
bolivianus, 228, 231, 403

chaquensis, 228
fucus, 228
insularum, 403
labialis, 228
macrosternum, 227–231
melanonotus, 403
ocellatus, 228, 232
macrosternum, 228
ocellatus, 228
pentadactylus, 137–138
wagneri, 228, 232
Leptodeira annulata, 44
maculata, 44
punctata, 44
septentrionalis, 44
Leptophis depressirostris, 197
Leptotyphlops, 378, 381
dulcis, 387
lesueurii, Physignathus, 295
leucostomum, Kinosternon, 258–261
Lialis, 297
burtonis, 296–297
Lichanura, 42, 381
trivirgata, 387
limbatus, Sminthillus, 52
Limnaoedus ocularis, 215
lineata, Salvadora g., 423, 425
Lineatriton, 285
Liolepis belliana, 295
lionatum, Ptychozoon, 362–366
Lithophis, 93
lochites, Euparkerella, 48–52
longicauda, Eurycea, 27–28, 234
loriae, Toxicocalamus, 387
Loxocemus, 381
bicolor, 380, 387
luciae, Anolis, 184–187
lucifuga, Eurycea, 28
lutosus, Crotalus v., 53
Lygosoma spinauris, 372
mabeei, Ambystoma, 215, 217
mabouia, Hemidactylus, 83–84, 101
mabouya, Mabuya, 84
Mabuya mabouya, 84
macdougalli, Thorius, 271, 276, 278–281, 286
Macroclemys, 152–155
temmincki, 150–155
macrodactylum, Ambystoma, 161, 218
macroglossa, Rana, 211
macrolepis, Sphaerodactylus, 84, 255
macrosternum, Leptodactylus, 227–231
Leptodactylus o., 228
macularius, Eublepharis, 296–297
maculata, Leptodeira, 44
Rana, 211–213
maculatum, Ambystoma, 161, 217
maculosus, Necturus, 327–330
Necturus m., 328–330
magister, Sceloporus, 1–6, 97
magnus, Nordenosaurus, 264, 266
Malaclemys, 355
terrapin, 414, 416–418
terrapin, 412–418
marinus, Bufo, 58–59, 82, 228
marmoratus, Hemisus, 206
martinicensis, Eleutherodactylus, 85
Masticophis, 32, 383, 422–423
flagellum, 30, 383, 387
flagellus, 16
taeniatus, 30, 33, 53, 101, 387
taeniatus, 30–34, 53–57
Maticora, 384
intestinalis, 384, 387
matthewi, Andrias, 264–265
maura, Natrix, 136
means, Amphiuma, 122, 215
Mehelya, 44
melanoleucus, Pituophis, 16, 101, 387, 400, 425
melanonotus, Leptodactylus, 403
melanopogon, Carlia, 375
meridionalis, Hyla, 131
mexicanum, Ambystoma, 431–437
Ambystoma × tigrinum, 436
mexicanus, Borborocoetes, 346
Eleutherodactylus, 346–347
Hylactophryne, 346–347
Leiuperus, 346
Microhyla, 199, 204
rubra, 201, 204
Micrurus, 384
fulvius, 384, 387
nigrocinctus, 387
minshalli, Ambystoma, 264, 266
minuatus, Anilioides, 91
minusculus, Goinophis, 92, 94
miocenica, Pterygoboa, 41, 43, 425
miocompactus, Ogmophis, 41–42, 47, 420, 425
mirandaribeiroi, Synapturanus, 368–369
modestum, Phrynosoma, 67
montanus, Pseudotriton, 215
monticola, Desmognathus, 28, 273
mopanum, Kinosternon, 258–261
morio, Bolitoglossa, 271, 276, 278–281
mossambica, Naja, 72, 75
mulleri, Dermatonotus, 201, 205
multicarinata, Bolyeria, 400
multidentatus, Chiropterotriton, 269, 271–273, 276, 279–286, 288
multimaculatus, Rhamphiophis, 72
multiplicata, Eurycea, 237
mungerorum, Gerrhonotus, 264, 266
muralis, Lacerta, 182
murivorus, Calamagras, 89–90
muticus, Trionyx, 154, 353–358
mydas, Chelonia, 417–418
Myersiella, 208
myrmecoides, Euparkerella, 48–52
Naja, 383–384
haja, 72, 75
mossambica, 72, 75
nigrocincta, 72

naja, 72, 383, 387
nivea, 72
nasicornis, Bitis, 72
nasicus, Heterodon, 16, 65
nasutus, Dryophis, 72
Natrix, 33, 379, 382
anoscopus, 256–257
clarki, 387
cyclopion, 387
erythrogaster, 387
fasciata, 215
firestonei, 256–257, 443
maura, 136
natrix, 18, 426–428
rhombifera, 387
rigida, 215
sipedon, 309, 382, 387
Naultinus, 297
elegans, 296
Nebraskaophis, 267–268
skinneri, 46, 265–266, 425
nebraskensis, Anilioides, 91–92, 94
Elaphe, 265–266, 425
nebulatus, Sibon, 387
Necturus, 293
maculosus, 327–330
maculosus, 328–330
sp., 293
Neonatrix, 45, 47, 267–268
elongata, 41, 44–46, 265–266, 424–425
nigriceps, Pygopus, 296–297
nigrita, Pseudacris, 215
nigrocincta, Naja m., 72
nigrocinctus, Micrurus, 387
nivea, Naja, 72
Nordenosaurus, 265, 267–268
magnus, 264, 266
nordensis, Pseudacris, 264–265
Geochelone, 264, 266
nortoni, Eleutherodactylus, 163, 165–168, 170
Notophthalmus, 68–69
viridescens, 28, 68–69, 215, 269, 285–286
nubicola, Colostethus, 77–80
obesus, Sauromalus, 248, 411
obsoleta, Elaphe, 65, 387, 394, 400
Elaphe o., 359–361, 392–393
occidentalis, Bolitoglossa, 271, 275–276, 278–281, 288
Eleutherodactylus, 346
Sceloporus, 410
Tropidurus, 318
ocellata, Lacerta, 296
ocellatus, Leptodactylus, 228, 232
Leptodactylus o., 228
ochrophaeus, Desmognathus, 28, 273
ocularis, Limnaoedus, 215
oculatus, Anolis, 344
Oedipina, 269, 277, 285
poelzi, 271, 274, 276–277, 279–281
uniformis, 269, 271, 276–277, 279–281, 285–286
Ogmophis, 41–42, 44, 47, 88, 388, 420, 425
compactus, 42, 47, 420
miocompactus, 41–42, 47, 420, 425
pliocompactus, 42, 47
olfersi, Philodryas, 197–198
olivacea, Gastrophryne, 200–206
olivaceus, Sceloporus, 5, 181, 194
olivieri, Eremias, 335
Opheodrys, 382
aestivus, 387
Ophisaurus ventralis, 264, 266
opacum, Ambystoma, 215, 217–220
orbicularis, Emys, 153
orcutti, Sceloporus, 5
ordinarium, Ambystoma, 437
ornata, Pseudacris, 215
Terrapene, 442
ornatissimum, Phrynosoma d., 66
ornatus, Urosaurus, 182
orthopygia, Geochelone, 264, 266
Osteopilus septentrionalis, 82
Otophryne, 209–210
robusta, 208–210
ouachitensis, Graptemys, 439–442
ovalis, Elachistocleis, 200–206, 228
Oxybelis, 148, 383
aeneus, 304, 309, 383, 387
oxyrachis, Dryinoides, 46
oxyrhynchus, Atelopus, 80
Rhamphiophis, 72
Rhinophis, 387
pacificus, Hoplodactylus, 296
Paleoheterodon tiheni, 46, 265–266, 425
paleolineata, Salvadora, 41, 45–47, 265–266, 420, 423–425
pallidiceps, Denisonia, 387
palmipes, Rana, 213
panamensis, Ungaliophis, 400
Paracoluber storeri, 46, 420, 422–425
Paraoxybelis, 46
floridanus, 46
parapulchella, Aprasia, 296–297
pardalis, Acanthodactylus, 335
Pareas, 381
carinatus, 387
Parvimolge, 285
parvirubra, Lampropeltis z., 145–147
passarelli, Arcovomer, 200–203, 205–206
Pelamis platurus, 72, 74
Pelobates, 130
cultripes, 130–137
fuscus, 136
syriacus, 136
Peltosaurus, 263–265, 267
pentadactylus, Leptodactylus, 137–138
peringueyi, Bitis, 334
peroni, Carlia, 371–377
Heteropus, 372
petrii, Stenodactylus, 335
Philodryas, 197

olfersi, 197–198
reinhardtii, 197
Phrynohyas venulosa, 228
Phrynomerus, 199
bifasciatus, 200–204, 206
Phrynosoma, 264
adinognathus, 64–66
cornutum, 66, 303
douglassi, 64–66, 109
brachycercum, 66
brevirostre, 66
ornatissimum, 66
modestum, 67
platyrhinos, 97–98, 105, 108
sp., 109, 264, 266
Physalaemus pustulosus, 228
Physignathus lesueurii, 295
picadoi, Chiropterotriton, 271, 275–277, 279–281, 285
picta, Chrysemys, 154, 264, 266, 441–442
pictus, Discoglossus, 85
pipa pipa, 205, 306
pipiens, Rana, 80, 243, 264–266, 325–327, 370
piscivorus, Agkistrodon, 72, 215, 333, 387
Pituophis, 382, 389, 393
catenifer, 65
melanoleucus, 16, 101, 387, 400, 425
deserticola, 53
placata, Exiliboa, 400
platurus, Pelamis, 72, 74
platyrhinos, Heterodon, 387
Phrynosoma, 97–98, 105, 108
platyspondyla, Calamagras, 89–90, 93–94
Plectrurus, 381
aureus, 380, 387
Plethodon, 157, 270, 278
cinereus, 161, 235, 329
glutinosus, 156–161
jordani, 157, 160–161, 287
n. hubrichti, 284
Pletholax, 297
gracilis, 296
Pleurodeles waltl, 131
Pleurodema, 340–341
brachiops, 339–341
branchyops, 228
pliocompactus, Ogmophis, 42, 47
plionasicus, Heterodon, 65
plumbea, Enhydris, 382, 387
Podocnemis, 353
expansa, 154
poelzi, Oedipina, 271, 274, 276–277, 279–281
poeppigi, Rhabdosoma, 221–224, 226
poinsetti, Sceloporus, 6, 182
polops, Ameiva, 83
polylepis, Dendroaspis, 72
Helicops, 306
polyphemus, Gopherus, 300
portoricensis, Alsophis, 84
Eleutherodactylus, 82
prasinus, Dryophis, 387
prebottae, Charina, 41, 43, 47, 265–266, 420, 425
primus, Calamagras, 89
Psammophis crucifer, 72
s. subtaeniatus, 72
s. trinasalis, 72
Psammophylax rhombeatus, 72
Pseudacris brimleyi, 215
clarki, 264–266
nigrita, 215
nordensis, 264–265
ornata, 215
Pseudobranchus striatus, 215
Pseudocemophora, 46, 420, 423, 425
antiqua, 420, 423–425
Pseudoeurycea, 269, 285
brunnata, 271, 276–277, 279–281
goebeli, 271, 276, 278–281, 286
rexi, 271, 275–276, 278–281, 286
smithi, 271, 276, 278–281, 285–286
Pseudophryne, 403
Pseudotriton, 68–70
montanus, 215
ruber, 28, 68–69, 122, 269, 286
schencki, 69
Pterygoboa, 43–44, 47, 88
miocenica, 41, 43, 425
Ptychozoon, 362, 365
homalocephalum, 362
intermedia, 362
kuhli, 362, 365
lionatum, 362–366
Ptyodactylus hasselquistii, 101
pulchra, Kaloula, 199, 201–204, 206
punctata, Leptodeira, 44
punctatus, Bufo, 15–17
Diadophis, 22, 382, 387
Typhlops, 380, 387
pustulosus, Physalaemus, 228
pygmaeus, Eleutherodactylus, 346
Pygopus lepidopodus, 296–297
nigriceps, 296–297
pyrrhomerus, Eleutherodactylus, 310–314, 316–317
Python, 378, 428
sebae, 378
quadridigittata, Eurycea, 28, 215
quadridigitatus, Manculus, 123
quadrivittata, Elaphe o., 392
rabus, Synapturanus, 367–369
Rana arvalis, 206
catesbeiana, 87, 215, 239–244, 370–371
clamitans, 85–87, 122
grylio, 87
heckscheri, 87
macroglossa, 211
maculata, 211–213
palmipes, 213
pipiens, 80, 243, 264–266, 325–327, 370
utricularia, 215
rapicauda, Thecadactylus, 84
Regina, 382

grahami, 382, 387
rigida, 387
reinhardtii, Philodryas, 197
resplendens, Bolitoglossa, 271, 275–276, 278–281, 285–287
reticularia, Deirochelys, 215
reticulatus, Crotaphytus, 110–111
rexi, Pseudoeurycea, 271, 275–276, 278–281, 286
Rhabdosoma brevifrenum, 223
poeppigi, 221–224, 226
Rhamphiophis multimaculatus, 72
oxyrhynchus, 72
Rhinocheilus, 381–382
lecontei, 65, 387
Rhinophis, 381
oxyrhynchus, 387
Rhinophrynus, 205
dorsalis, 198–206
rhodopepla, Hyla, 85
rhodopis, Eleutherodactylus, 346
rhombeatus, Causus, 72
Psammophylax, 72
rhombifera, Natrix, 387
Rhyacosiredon rivularis, 436
richardi, Typhlops, 84
rigida, Natrix, 215
Regina, 387
riparius, Cophixalus, 201, 203
rivularis, Rhyacosiredon, 436
Taricha, 329
robinsoni, Ameisophis, 419–422, 424–425
robusta, Otophryne, 208–210
Romanella variegata, 201
rosaceum, Ambystoma, 437
rostrata, Bolitoglossa, 271, 276, 278–281
ruber, Crotalus, 72
Pseudotriton, 28, 68–69, 122, 269, 286
rubra, Hyla, 228
Microhyla, 201, 204
rufilata, Carlia, 374–375
rufus, Cylindrophis, 380, 387
russelli, Vipera, 333–334
ruthae, Eleutherodactylus, 163, 166–170
sabinensis, Graptemys p., 154, 439
salseri, Synapturanus, 368–369
Salvadora, 423
grahamiae, 45, 47
lineata, 423, 425
paleolineata, 41, 45–47, 265–266, 420, 423–425
sardus, Discoglossus, 85
sauritus, Thamnophis, 215, 382, 387
Sauromalus hispidus, 255
obesus, 248, 411
scaber, Dasypeltis, 382, 387
scalaris, Sceloporus, 171–182
Scaphiopus, 130, 133, 135–136, 263
alexanderi, 263
bombifrons, 7, 11–17, 263–264, 266
couchi, 7, 10–14, 16–17
hammondi, 7, 11–17, 23–25
holbrooki, 215, 263
sp., 7
wardorum, 263–264, 266
Sceloporus, 102
clarki, 5
cyanogenys, 348–351
graciosus, 6, 55, 107
graciosus, 18, 22
jarrovi, 6, 182, 189, 194–195, 410
jarrovi, 189–196
magister, 1–6, 97
occidentalis, 410
olivaceus, 5, 181, 194
orcutti, 5
poinsetti, 6, 182
scalaris, 171–182
sp., 109
undulatus, 1, 4–6, 179, 181
erythrocheilus, 409–410
virgatus, 181
schencki, Pseudotriton r., 69
schlegeli, Carlia, 371, 376
Heteropus, 375–376
scorpioides, Kinosternon, 258–261
scripta, Chrysemys, 417, 442
scutatum, Hemidactylium, 275
scutatus, Aspidelaps, 72
scutalatus, Crotalus, 387
scytale, Anilius, 387
sebae, Python, 378
semiannulatus, Telescopus, 72
septemvittatus, Cnemidophorus, 395
septentrionalis, Leptodeira, 44
Osteopilus, 82
serpentina, Chelydra, 150–151, 417
sexlineatus, Cnemidophorus, 64–65, 101, 395–399, 409
Sibon, 381–382
nebulatus, 387
sigillatum, Ambystoma m., 218
silus, Crotaphytus, 110–111
similis, Lampropeltis, 265–266, 425
sinaloae, Lampropeltis t., 394
sipedon, Natrix, 309, 382, 387
Siren intermedia, 215
lacertina, 215
sirtalis, Thamnophis, 34, 56, 215
Sistrurus, 337
catenatus, 65
tergeminus, 337–338
skinneri, Nebraskaophis, 46, 265–266, 425
Sminthillus limbatus, 52
smithi, Pseudoeurycea, 271, 276, 278–281, 285–286
Spea, 264
Sphaerodactylus macrolepis, 84, 255
spiloides, Elaphe o., 359–361
spinalis, Achalinus, 400
spinauris, Carlia, 371–374, 376
Leiolopisma, 372
Lygosoma, 372

squirella, Hyla, 122, 264–266
stansburiana, Uta, 1, 97–98, 104, 108–109, 182, 194, 255, 410
Uta s., 18
Stenodactylus petrii, 335
Stereocyclops, 199, 204–205, 208, 210
incrassatus, 201–203, 205–206
storeri, Paracoluber, 46, 420, 422–425
Storeria, 382
dekayi, 387
stratulus, Anolis, 81, 83
striatus, Pseudobranchus, 215
subpalmata, Bolitoglossa, 269, 271–273, 276, 279–288
subrubrum, Kinosternon, 215
subtaeniatus, Psammophis s., 72
suwanniensis, Chrysemys c., 144
Synapturanus, 208, 367
mirandaribeiroi, 368–369
rabus, 367–369
salseri, 368–369
Syncope antenori, 208
Synophis, 44
syriacus, Pelobates, 136
systoma, Cacopus, 201
Uperodon, 201
taeniatus, Masticophis, 30, 33, 53, 101, 387
Masticophis t., 30–34, 53–57
talpivorus, Calamagras, 89–90
talpoideum, Ambystoma, 215, 217, 431, 436
tarahumaraensis, Hylactophryne, 346–347
Taricha, 269
rivularis, 329
Teius teyou, 101
Telescopus semiannulatus, 72
temmincki, Macroclemys, 150–155
tergeminus, Sistrurus c., 337–338
Terrapene carolina, 298
ornata, 442
terrapin, Malaclemys, 414, 416–418
Malaclemys t., 412–418
terrestris, Bufo, 58, 215, 291–293
tetrazonus, Atractus elaps, 223
teyou, Teius, 101
Thamnophis, 265, 323, 325, 382
elegans, 425
sauritus, 215, 382, 387
sirtalis, 34, 56, 215
concinnus, 325
infernalis, 323–324
sp., 266
Thecadactylus rapicauda, 84
Thelotornis, 147–150
kirtlandii, 72, 197
kirtlandi, 148–150
Thorius, 285
macdougalli, 271, 276, 278–281, 286
tigrinum, Ambystoma, 64–65, 161, 431–434, 436–437
tigris, Cnemidophorus, 1, 98, 105, 108–109, 409
tiheni, Paleoheterodon, 46, 265–266, 425
tornieri, Cacopoides, 201
Toxicocalamus loriae, 387
Trachyboa gularis, 400
Tregophis, 88
brevirachis, 44
triacantha, Carlia, 375
Trimeresurus, 334, 379, 383
sp., 383, 387
wagleri, 387
trinasalis, Psammophis s., 72
trinitatis, Anolis, 186
Trionyx, 264
ferox, 355
muticus, 154, 353–358
s. asperus, 151
trivirgata, Lichanura, 387
Tropidophis c. canus, 400
Tropidurus albemarlensis, 318–319, 321–322
hispidus, 318–322
occidentalis, 318
Typhlops, 378, 380–381
jamaicensis, 378
lankgensis, 387
punctatus, 380, 387
richardi, 84
typus, Dispholidus, 72, 197
Uma, 40, 177, 255, 344
undulatus, Sceloporus, 1, 4–6, 179, 181
Ungaliophis panamensis, 400
unicolor, Xenopeltis, 380, 387
uniformis, Oedipina, 269, 271, 276–277, 279–281, 285–286
unistrigatus, Eleutherodactylus, 310
Uperodon systoma, 201
Uromastix hardwickii, 295
Uropeltis, 381
wood-masoni, 380, 387
Uroplatus, 297
fimbriatus, 296
Urosaurus ornatus, 182
Uta stansburiana, 1, 97–98, 104, 108–109, 182, 194, 255, 410
s. stansburiana, 18
utricularia, Rana, 215
valentinensis, Bufo, 264–265
valliceps, Bufo, 85
valerioi, Centrolenella, 402
Varanus gilleni, 35–40
variegata, Gehyra, 101, 344
Romanella, 201
variegatus, Coleonyx, 344
variolosus, Hypopachus, 201, 205
venezuelae, Bothrops, 308
ventralis, Ophisaurus, 264, 266
venulosa, Phrynohyas, 228
vermis, Carphophis, 103
versicolor, Hyla, 125, 264–266, 370
vigilis, Xantusia, 255
Vipera, 383
berus, 387

lebetina, 72
russelli, 333–334
vipera, Cerastes, 332–336
virgatus, Sceloporus, 181
viridescens, Notophthalmus, 28, 68–69, 215, 269, 285–286
viridis, Crotalus, 65, 72, 425
viridissima, Centrolenella, 402
vivax, Carlia, 375
vulpina, Elaphe v., 392, 394
wagleri, Trimeresurus, 387
wagneri, Leptodactylus, 228, 232
waltl, Pleurodeles, 131
wardorum, Scaphiopus, 263–264, 266
wattsi, Anolis, 185
weigeli, Calamagras, 41–43, 47, 89, 420, 425
wilderae, Eurycea, 29
wislizeni, Crotaphytus, 1, 95–111
woodhousei, Bufo, 58, 85
wood-masoni, Uropeltis, 380, 387
Xantusia, 255
vigilis, 255
Xenodermus, 44, 381
javanicus, 382, 387
Xenodon, 382
colubrinus, 382, 387
Xenopeltis, 381
unicolor, 380, 387
Xenophilus, 44
Xenopus laevis, 370
zweifeli, Leimadophis, 304

HERPETOLOGICA

Volume 32 December 1976

TABLE OF CONTENTS

Addenda (Rossman Paper) 443
(Iverson Paper) 443
Amborski, Grace F. (see Carr, Alan H.) 239
Amborski, Robert L. (see Carr, Alan H.) 239
Anderson, James D., and Gerald K. Williamson
Terrestrial Modes of Reproduction in *Ambystoma cingulatum* 214
Announcement 352
Annual Financial Statement 445
Annual Meeting Information, Call for Papers 115, 116, 444
Annual Student Paper Award 444
Bennion, Robert S., and William S. Parker
Field Observations of Courtship and Aggressive Behavior in Desert Striped Whipsnakes, *Masticophis t. taeniatus* 30
Bickham, John W., Charles O. McKinney and Michael F. Mathews
Karyotypes of the Parthenogenetic Whiptail Lizard *Cnemidophorus laredoensis* and its Presumed Parental Species (Sauria: Teiidae) 395
Bogart, James P., and Craig E. Nelson
Evolutionary Implications from Karyotypic Analysis of Frogs of the Families Microhylidae and Rhinophrynidae 199
Bogart, James P., William F. Pyburn and Craig E. Nelson
The Karyotype of *Otophryne robusta* (Anura: Microhylidae) 208
Brandon, Ronald A.
Spontaneous and Induced Metamorphosis of *Ambystoma dumerilii* (Duges), a Paedogenetic Mexican Salamander, Under Laboratory Conditions 429
Brecke, Bruce J., James B. Murphy and Wayne Seifert
An Inventory of Reproduction and Social Behavior in Captive Baird's Ratsnakes, *Elaphe obsoleta bairdi* (Yarrow) 389
Brodie, Edmund D., Jr.
Additional Observations on the Batesian Mimicry of *Notophthalmus viridescens* Efts by *Pseudotriton ruber* 68
Brodie, Edmund D., Jr. (see Dodd, C. Kenneth, Jr.) 269
Brown, Carl Kice
Local Variation in Scale Characters of *Sceloporus jarrovi* (Sauria: Iguanidae) Inhabiting the Pinaleño Mountains of Arizona. I. Frequency of Head Scute Polymorphisms 189
Burger, Joanna
Temperature Relationships in Nests of the Northern Diamondback Terrapin, *Malaclemys terrapin terrapin* 412
Busack, Stephen D., and George R. Zug
Observations on the Tadpoles of *Pelobates cultripes* from Southern Spain 130
Carpenter, Charles C., James C. Gillingham, James B. Murphy and Lyndon A. Mitchell
A Further Analysis of the Combat Ritual of the Pygmy Mulga Monitor, *Varanus gilleni* (Reptilia: Varanidae) 35
Carr, Alan H., Robert L. Amborski, Dudley D. Culley, Jr., and Grace F. Amborski
Aerobic Bacteria in the Intestinal Tracts of Bullfrogs (*Rana catesbeiana*) Maintained at Low Temperatures 239
Chiszar, David, Kent Scudder, Hobart M. Smith and Charles W. Radcliffe
Observation of Courtship Behavior in the Western Massasauga (*Sistrurus catenatus tergeminus*) 337
Cowles, Raymond Bridgman (1896–1975)—Report of Death 114
Creusere, F. Michael and Walter G. Whitford
Ecological Relationships in a Desert Anuran Community 7

Culley, Dudley D. (see Carr, Alan H.) 239
Dapkus, David
Differential Survival Involving the Burnsi Phenotype in the Northern Leopard Frog, *Rana pipiens* 325
Davison, Elizabeth (see Heatwole, Harold) 332
Dixon, James R., Robert A. Thomas and Harry W. Greene
Status of the Neotropical Snake *Rhabdosoma poeppigi* Jan, with Notes on Variation in *Atractus elaps* (Günther) 221
Dixon, James R., and Mark A. Staton
Some Aspects of the Biology of *Leptodactylus macrosternum* Miranda-Ribeiro (Anura: Leptodactylidae) of the Venezuelan Llanos 227
Dodd, C. Kenneth, Jr., and Edmund D. Brodie, Jr.
Defensive Mechanisms of Neotropical Salamanders with an Experimental Analysis of Immobility and the Effect of Temperature on Immobility 269
Duellman, William E., and Alan H. Savitzky
Aggressive Behavior in a Centrolenid Frog, with Comments on Territoriality in Anurans 401
Dundee, Harold A. (see Sever, David M.) 26
Eichler, Victor B.
The Occurrence of Lampbrush Chromosomes in Bidder's Organ Oocytes of Male Toads (Anura: Bufonidae) 58
Election (1975) Results 114
Erratum (Sever, Dundee and Sullivan Paper) 352
(Lynch Paper) 444
Ewert, Michael A.
Nests, Nesting and Aerial Basking of *Macroclemys* Under Natural Conditions, and Comparisons with *Chelydra* (Testudines: Chelydridae) 150
Funkhouser, Anne
Observations on Pancreas: Body Weight Ratio Change During Development of the Bullfrog, *Rana catesbeiana* 370
Gillingham, James C. (see Carpenter, Charles C.) 35
Goodman, Jeanne M. (see Goodman, John D.) 145
Goodman, John D., and Jeanne M. Goodman
Contrasting Color and Pattern as Enticement Display in Snakes 145
Possible Mimetic Behavior of the Twig Snake, *Thelotornis kirtlandi kirtlandi* (Hallowell) 148
Gorman, George C.
Observations on the Distribution of *Anolis extremus* (Sauria: Iguanidae) on St. Lucia, West Indies—A "Colonizing" Species 184
Greenberg, Neil
Observations of Social Feeding in Lizards 348
Greene, Harry W. (see Dixon, James R.) 221
Greer, Allen E.
Notes on the Systematics of the Genus Carlia (Lacertilia: Scincidae). II. *Carlia peroni* (Dumeril and Bibron) 371
Hailman, Jack P. (see Jaeger, Robert G.) 77
Hansen, Richard M., Mark K. Johnson and Thomas R. Van Devender
Foods of the Desert Tortoise, *Gopherus agassizi*, in Arizona and Utah 247
Hardaway, Thomas E., and Kenneth L. Williams
Costal Cartilages in Snakes and their Phylogenetic Significance 378
Harris, Arthur H. (see Van Devender, Thomas R.) 298
Hattingh, J., and G. T. Willemse
Hematological Observations on the Puff Adder, *Bitis arietans* (Ophidia: Viperidae) 245
Heatwole, Harold, and Elizabeth Davison
A Review of Caudal Luring in Snakes with Notes on its Occurrence in the Saharan Sand Viper, *Cerastes vipera* 332
Henderson, Robert W. (see Nickerson, Max A.) 197
Henderson, Robert W., Max A. Nickerson and Sherman Ketcham
Short Term Movements of the Snakes *Chironius carinatus*, *Helicops angulatus* and *Bothrops atrox* in Amazonian Peru 304

Herpetologists' Bookshelf 232, 446
Heyer, W. Ronald (see Muedeking, Miriam H.) 137
Hill, Loren G. (see Hutchison, Victor H.) 327
Hill, Steven E. (see Ward, F. Prescott) 60
Hohmann, Carl J. (see Ward, F. Prescott) 60
Holman, J. Alan
Snakes from the Rosebud Formation (Middle Miocene) of South Dakota 41
Snakes of the Gering Formation (Lower Miocene) of Nebraska 88
The Hepetofauna of the Lower Valentine Formation, North-central Nebraska 262
Paleoclimatic Implications of "Ecologically Incompatible" Herpetological Species (Late Pleistocene: Southeastern United States) 290
A Boid and a Colubrid Snake from the Harrison Formation (Lower Miocene: Arikareean) of Sioux County, Nebraska 387
Snakes of the Split Rock Formation (Middle Miocene), Central Wyoming 418
Hutchison, Victor H., and Loren G. Hill
Thermal Selection in the Hellbender, *Cryptobranchus alleganiensis*, and the Mudpuppy *Necturus maculosus* 327
Ireland, Patrick H.
Reproduction and Larval Development of the Gray-bellied Salamander *Eurycea multiplicata griseogaster* 233
Iverson, John B.
The Genus *Kinosternon* in Belize (Testudines: Kinosternidae) 258, 443
Jackson, Crawford G., Jr., John A. Trotter, Thomas H. Trotter and Mary W. Trotter
Accelerated Growth Rate and Early Maturity in *Gopherus agassizi* (Reptilia: Testudines) 139
Jackson, Jerome A.
Relative Climbing Tendencies of Gray (*Elaphe obsoleta spiloides*) and Black Rat Snakes (*E. o. obsoleta*) 359
Jaeger, Linda S. (see Jaeger, Robert G.) 77
Jaeger, Robert G., Jack P. Hailman and Linda S. Jaeger
Bimodal Diel Activity of a Panamanian Dendrobatid Frog, *Colostethus nubicola* in Relation to Light 77
Johnson, Mark K. (see Hansen, Richard M.) 247
Keefer, Thomas E. (see Marcellini, Dale L.) 362
Ketcham, Sherman (see Henderson, Robert W.) 304
Kluge, Arnold G.
A Reinvestigation of the Abdominal Musculature of Gekkonid Lizards and its Bearing on their Phylogenetic Relationships 295
Krekorian, C. O'Neil
Home Range Size and Overlap and their Relationship to Food Abundance in the Desert Iguana, *Dipsosaurus dorsalis* 405
Lara, Orangel (see Frieto, Antulio S.) 318
Lee, Julian C.
Rana maculata Brocchi, an Addition to the Herpetofauna of Belize 211
León, Juan R. (see Prieto, Antulio S.) 318
Longden, Clive J. (see Means, D. Bruce) 117
Lynch, John D.
Two New Species of Frogs of the Genus *Euparkerella* (Amphibia: Leptodactylidae) from Ecuador and Peru 48
Three New Leptodactylid Frogs (Genus *Eleutherodactylus*) from the Andean Slopes of Colombia and Ecuador 310
A Third Mexican Species of *Hylactophryne* (Amphibia: Leptodactylidae) 346, 444
Marcellini, Dale L.
Some Aspects of the Thermal Ecology of the Gecko *Hemidactylus frenatus* 341
Marcellini, Dale L., and Thomas E. Keefer
Analysis of the Gliding Behavior of *Ptychozoon lionatum* (Reptilia: Gekkonidae) 362
Mathews, Michael F. (see Bickham, John W.) 395
McKinney, Charles O. (see Bickham, John W.) 395
Means, D. Bruce, and Clive J. Longden
Aspects of the Biology and Zoogeography of the Pine Barrens Treefrog (*Hyla andersonii*) in Northern Florida 117

Meltzer, Kenneth H. (see Whitford, Walter G.) 23
Mitchell, Lyndon A. (see Carpenter, Charles C.) 35
Moll, Don
Environmental Influence on Growth Rate in the Ouachita Map Turtle, *Graptemys pseudogeographica ouachitensis* 439
Moodie, Kevin B. (see Van Devender, Thomas R.) 298
Murphy, James B. (see Carpenter, Charles C.) 35
Murphy, James B. (see Brecke, Bruce J.) 389
Murphy, James B.
Pedal Luring in the Leptodactylid Frog, *Ceratophrys calcarata* Boulenger 339
Nelson, Craig E. (see Bogart, James P.) 199
Nelson, Craig E. (see Bogart, James P.) 208
Newlin, Michael E.
Reproduction in the Bunch Grass Lizard, *Sceloporus scalaris* 171
Nickerson, Max A.
A Case of Envenomation by the South American Colubrid, *Philodryas olfersi* 197
Nickerson, Max A. (see Henderson, Robert W.) 304
Parker, William S. (see Bennion, Robert S.) 30
Parker, William S.
Population Estimates, Age Structure, and Denning Habits of Whipsnakes, *Masticophis t. taeniatus*, in a Northern Utah *Atriplex-Sarcobatus* Community 53
Parker, William S., and Eric R. Pianka
Ecological Observations on the Leopard Lizard (*Crotaphytus wislizeni*) in Different Parts of its Range 95
Persky, Bruce, Hobart M. Smith and Kenneth L. Williams
Additional Observations on Ophidian Costal Cartilages 399
Philibosian, Richard, and John A. Yntema
Records and Status of Some Reptiles and Amphibians in the Virgin Islands. I. 1968–1975 81
Pianka, Eric R. (see Parker, William S.) 95
Plummer, Michael V.
Some Aspects of Nesting Success in the Turtle *Trionyx muticus* 353
Prieto, Antulio S., Juan R. León and Orangel Lara
Reproduction in the Tropical Lizard, *Tropidurus hispidus* (Sauria: Iguanidae) 318
Pyburn, William F. (see Bogart, James P.) 208
Pyburn, William F.
A New Fossorial Frog from the Colombian Rain Forest (Anura: Microhylidae) 367
Radcliffe, Charles W. (see Chiszar, David) 337
Rickart, Eric A.
A New Horned Lizard (*Phrynosoma adinognathus*) from the Early Pleistocene of Meade County, Kansas, with Comments on the Herpetofauna of the Borchers Locality 64
Rieppel, Oliver
The Homology of the Laterosphenoid Bone in Snakes 426
Rossman, Douglas A.
Taxonomic Status of the West African Colubrid Snake *Natrix firestonei* 256, 443
Ruben, John A.
Reduced Nocturnal Heat Loss Associated with Ground Litter Burrowing by the California Red-sided Garter Snake *Thamnophis sirtalis infernalis* 323
Sarokon, J. A. (see Windell, J. T.) 18
Savitzky, Alan H. (see Duellman, William E.) 401
Schaefer, N.
The Mechanism of Venom Transfer from the Venom Duct to the Fang in Snakes 71
Schwartz, Albert
Two New Species of Hispaniolan *Eleutherodactylus* (Leptodactylidae) 163
Scudder, Kent (see Chiszar, David) 337
Seifert, Wayne (see Brecke, Bruce J.) 389
Sever, David M., Harold A. Dundee and Charles D. Sullivan
A New *Eurycea* (Amphibia: Plethodontidae) from Southwestern North Carolina 26
Sever, David M., and Harold Dundee
Erratum 352

Smith, Hobart M. (see Chiszar, David) 337
Smith, Hobart M. (see Persky, Bruce) 399
Snyder, Gregory K., and Wesley W. Weathers
Physiological Responses to Temperature in the Tropical Lizard, *Hemidactylus frenatus* (Sauria: Gekkonidae) 252
Staton, Mark A. (see Dixon, James R.) 227
Sullivan, Charles D. (see Sever, David M.) 26
Thomas, Robert A. (see Dixon, James R.) 221
Tinkle, Donald W.
Comparative Data on the Population Ecology of the Desert Spiny Lizard, *Sceloporus magister* 1
Trotter, John A. (see Jackson, Crawford G.) 139
Trotter, Mary W. (see Jackson, Crawford G.) 139
Trotter, Thomas H. (see Jackson, Crawford G.) 139
Ulrich, Jeffrey F. (see Ward, F. Prescott) 60
Van Devender, Thomas R. (see Hansen, Richard M.) 247
Van Devender, Thomas R., Kevin B. Moodie and Arthur H. Harris
The Desert Tortoise (*Gopherus agassizi*) in the Pleistocene of the Northern Chihuahuan Desert 298
Ward, F. Prescott, Carl J. Hohmann, Jeffrey F. Ulrich and Steven E. Hill
Seasonal Microhabitat Selection of Spotted Turtles (*Clemmys guttata*) in Maryland Elucidated by Radioisotope Tracking 60
Weathers, Wesley W. (see Snyder, Gregory K.) 252
Wells, Kentwood D.
Multiple Egg Clutches in the Green Frog (*Rana clamitans*) 85
Wells, Kentwood D., and Roger A. Wells
Patterns of Movement in a Population of the Slimy Salamander, *Plethodon glutinosus*, with Observations on Aggregation 156
Wells, Roger A. (see Wells, Kentwood D.) 156
Whitford, Walter G., and Kenneth H. Meltzer
Changes in O_2 Consumption, Body Water and Lipid in Burrowed Desert Juvenile Anurans 23
Whitford, Walter G. (see Creusere, F. Michael) 7
Willemse, G. T. (see Hattingh, J.) 245
Williams, Kenneth L. (see Hardaway, Thomas E.) 378
Williams, Kenneth L. (see Persky, Bruce) 399
Williamson, Gerald K. (see Anderson, James D.) 214
Windell, J. T., and J. A. Sarokon
Rate of Gastric Evacuation in the Lizard, *Anolis carolinensis* (Sauria: Iguanidae) 18
Yntema, John A. (see Philibosian, Richard) 81
Zug, George R. (see Busack, Stephen D.) 130